

St. Andrews Scots School

Adjacent Navniti Apartments,

I.P. Extension, Patparganj, Delhi – 110092 Session: 2025-2026

Worksheet - 4

Class: VII

Subject: Science

Topic: Transfer of Heat

Q1. Define:

- (a) Fluids
- (b) Convection current
- (c) Radiation
- (d) Sea breeze

Q2. Fill in the blanks:

- (a) The air moving from the sea towards the land is called _____.
- (b) _____ involves transfer of heat energy between adjacent molecules in a solid.
- (c) _____ helps in keep our atmosphere warm.
- (d) A spoon kept in a cup of hot tea gets heated by _____.

Q3. State whether the following statement is true or false:

- (a) Heat cannot travel in a vacuum.
- (b) Room heaters warm the rooms by conduction.
- (c) Liquids and solids conduct heat.
- (d) Radiation is the transfer of heat through any medium.

Q4. Answer the following in one word:

- (a) Name the mode of transfer of heat in which medium is not required.
- (b) Name the materials which do not conduct heat.
- (c) Which material is used to make the uniform of firefighters?
- (d) Which colour radiates the maximum heat?

Q5. Answer the following Questions:

- (a) Why is the underside of cooking vessels painted black?
- (b) Why do heating coils of a room heater have a shining covered metal surface?
- (c) Give two application of radiation.
- (d) Why do woollen clothes keep us warm than cotton clothes?

